

Fig. 1A

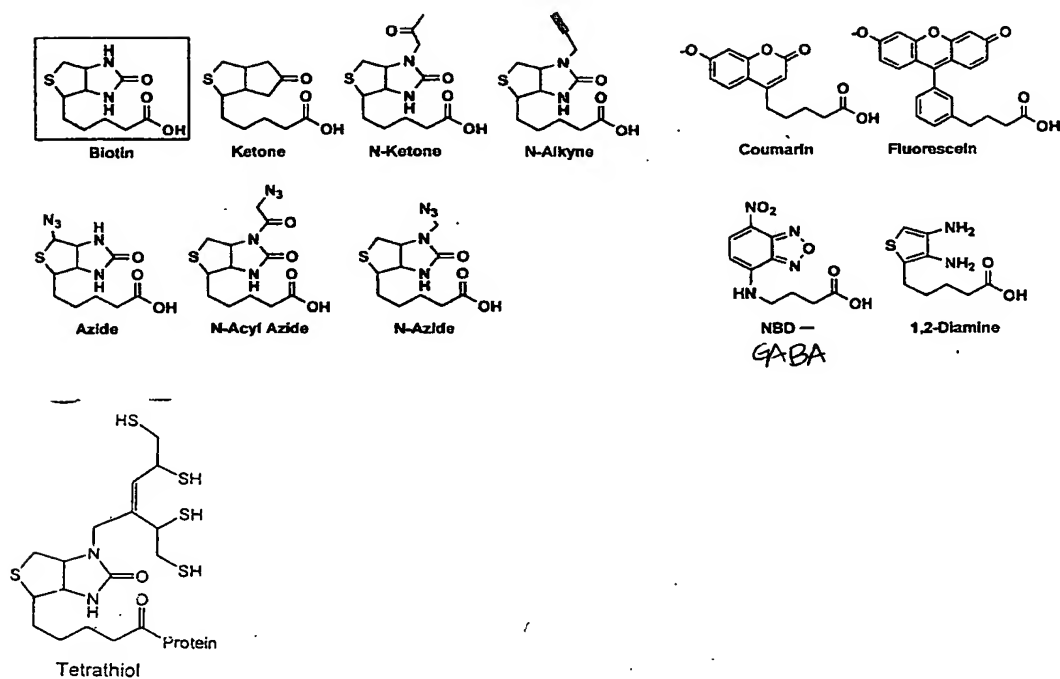
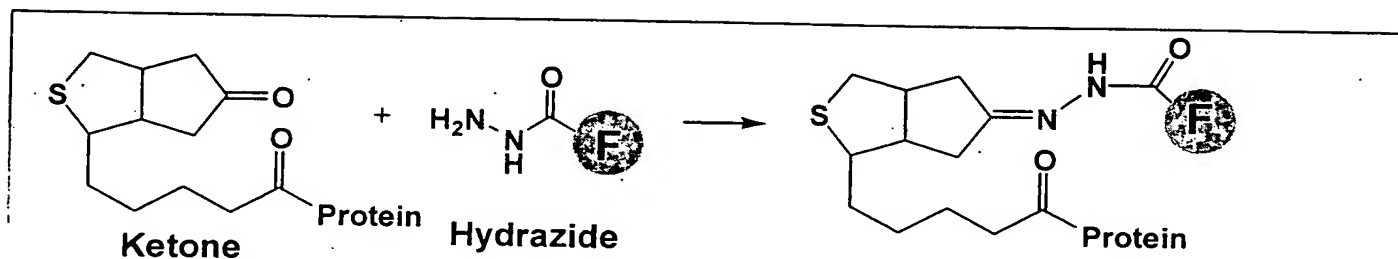
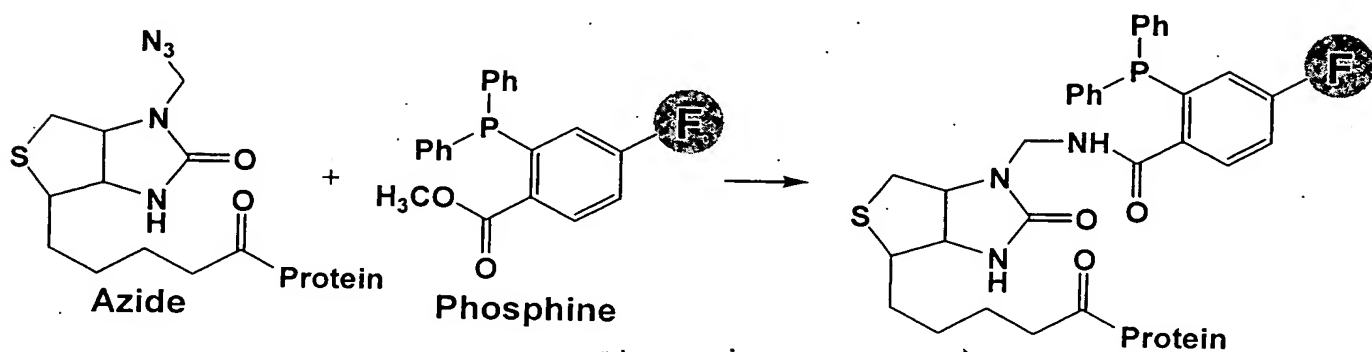


Fig. 1B



Hydrazone Formation



Staudinger Reaction

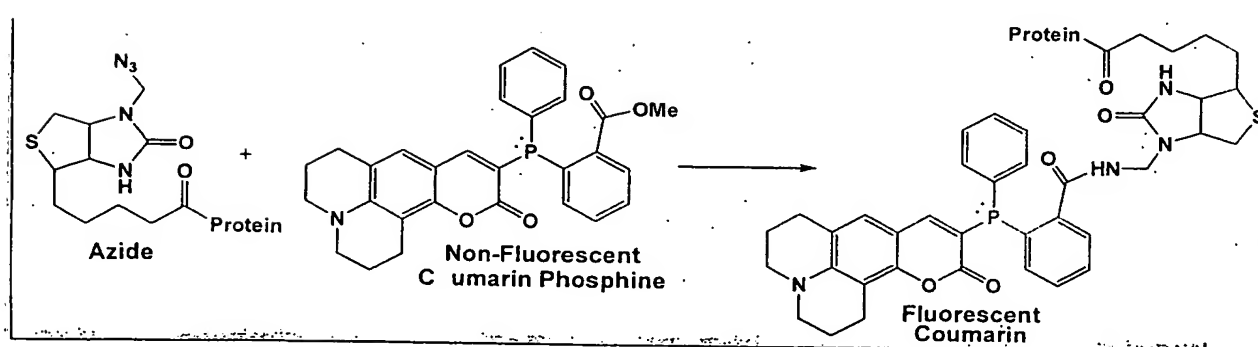
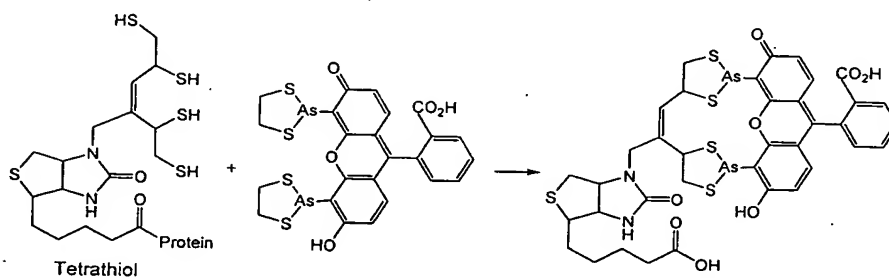


Fig. 2

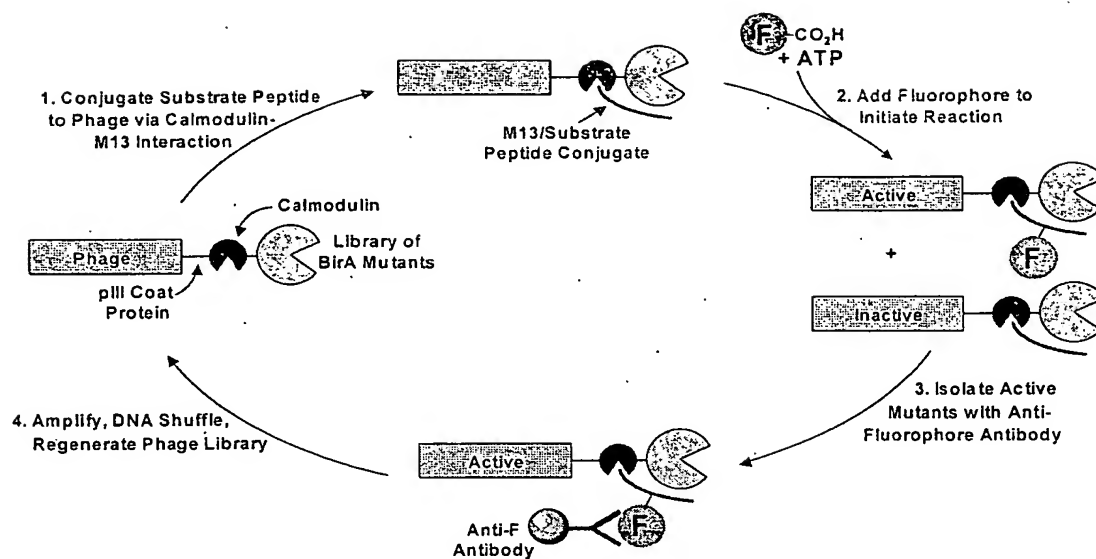


Fig. 3A

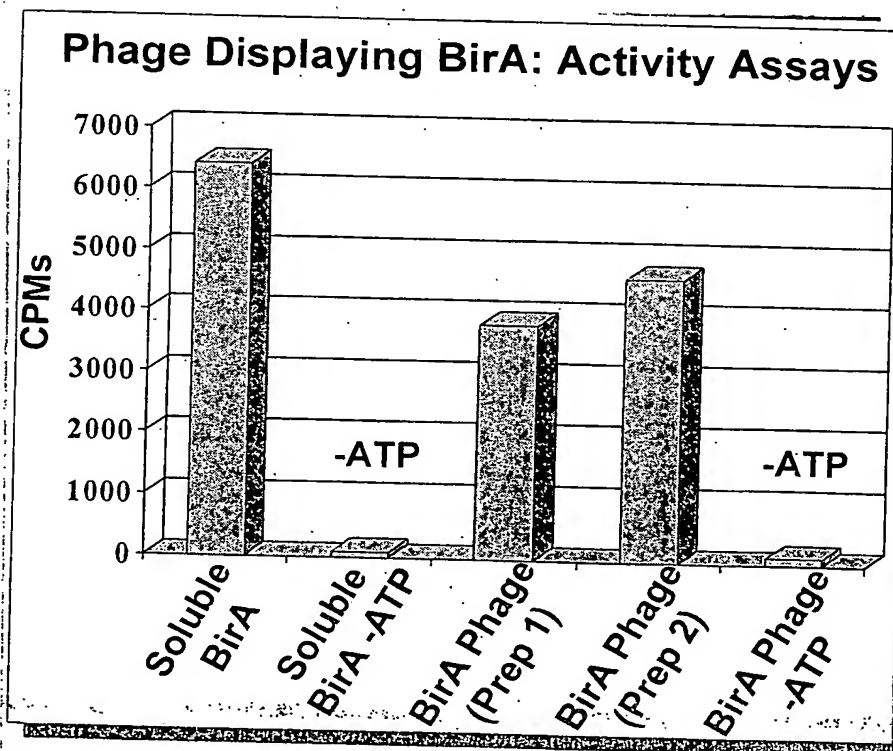


Fig. 3B

Synthesis of Ketone Derivative of Biotin

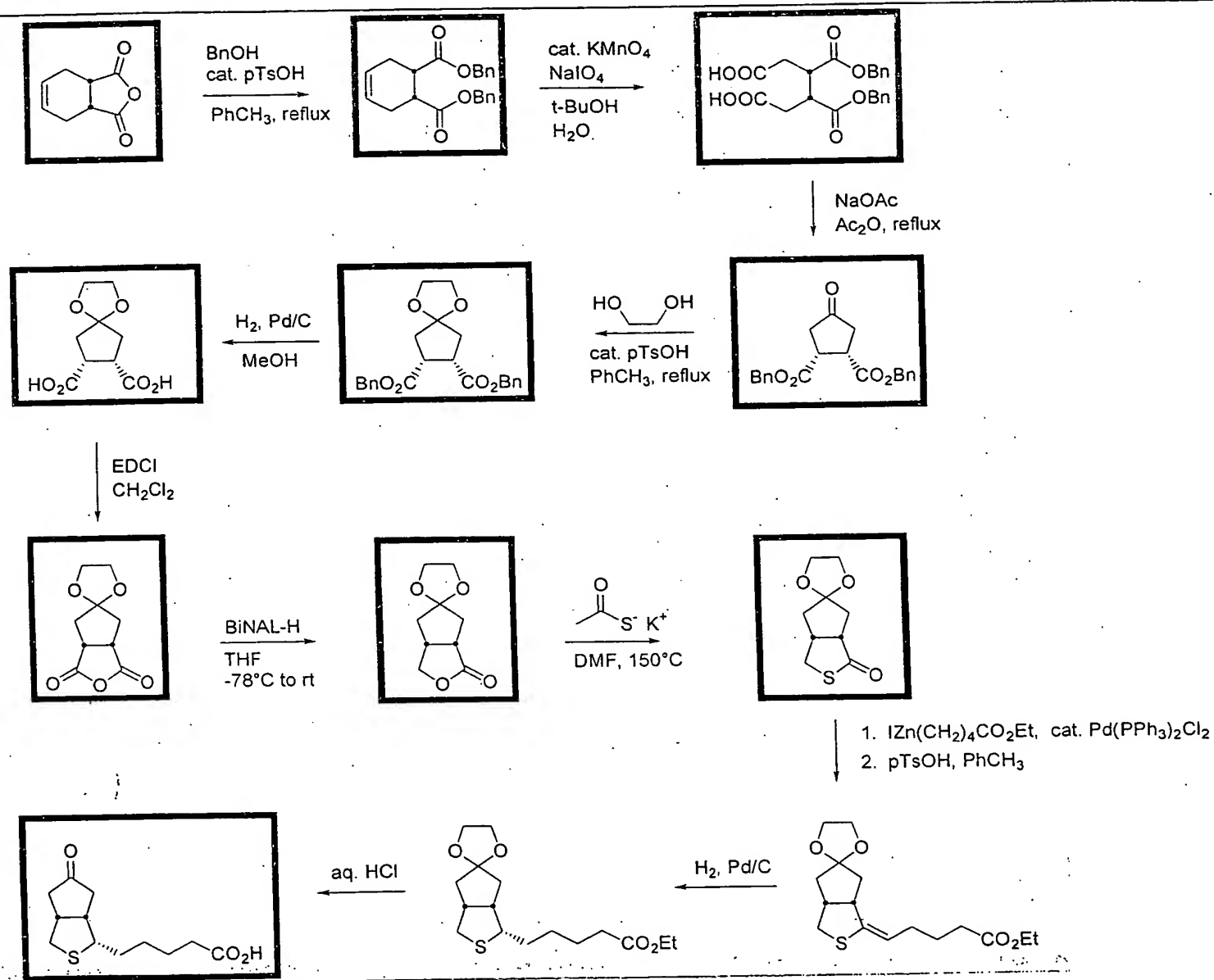
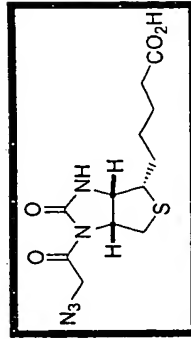
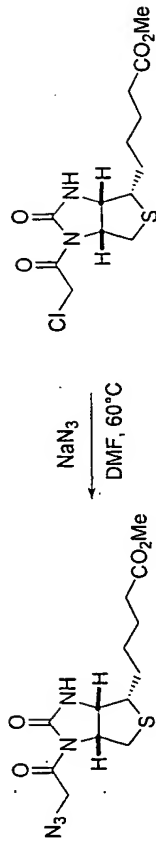
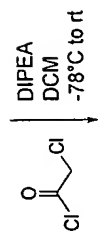
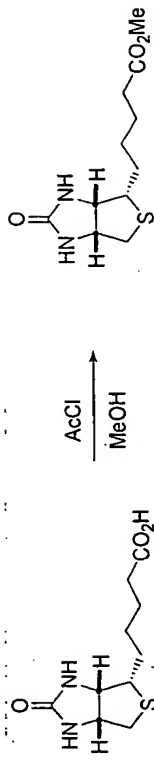


Fig. 4

Synthesis of Azide and NBD Derivatives of Biotin

N-Acyl Azide



NBD-GABA

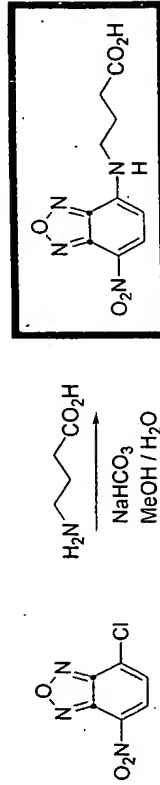


Fig. 5

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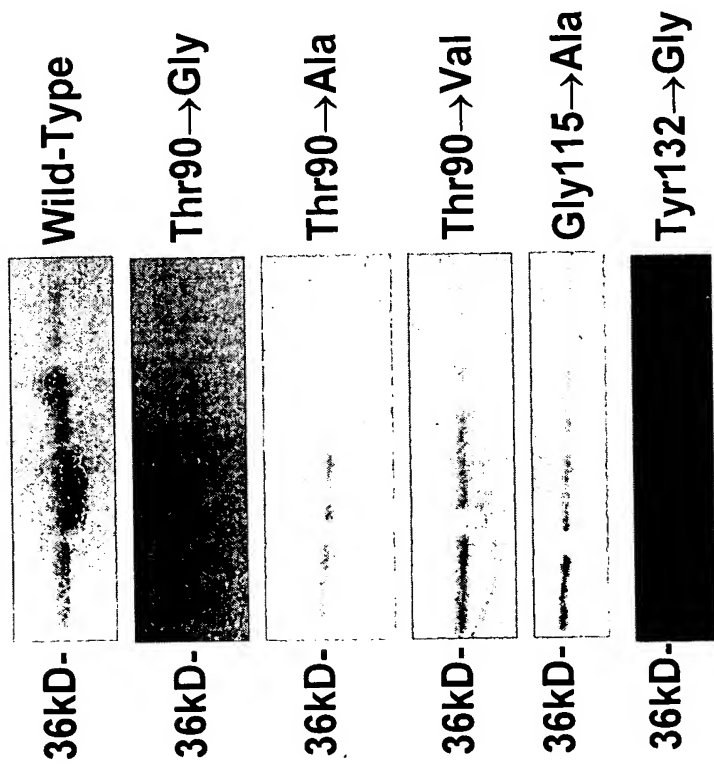


Fig. 6A

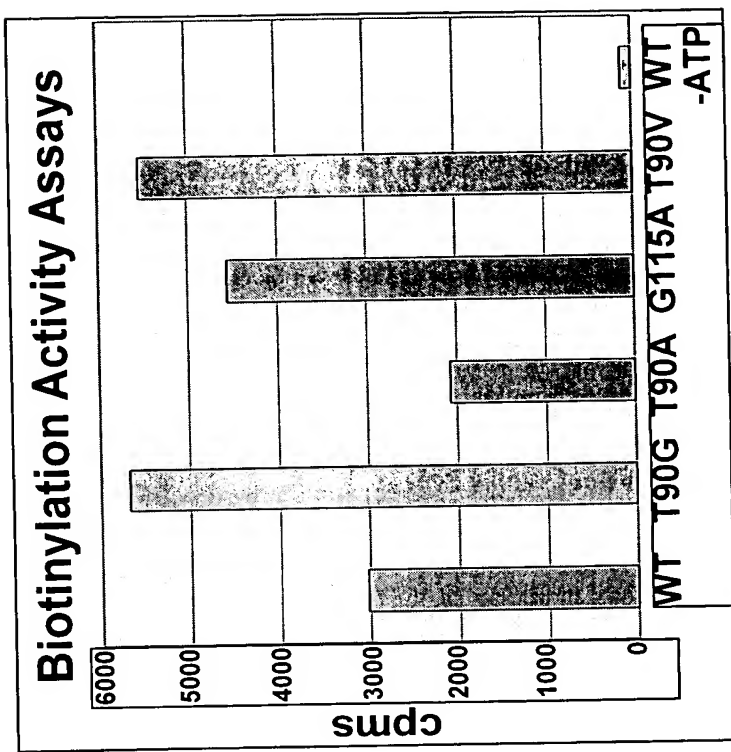


Fig. 6B

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 aaataa
 K -

Fig. 7